

32692

Customer Number



Patent
Case No.: 59350US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: AUDENAERT, FRANS A.

Application No.: 10/696950

Group Art Unit:

Filed: October 30, 2003

Examiner: Unknown

Title: MIXTURE OF FLUORINATED POLYETHERS AND USE THEREOF AS
SURFACTANT

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:	
Date <u>2/4/04</u>	Signed by: <u>Joyce M. Courtney</u>

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p), and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723.

Respectfully submitted,

Feb 3, 2004
Date

By: Robert H. Jordan
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3M Innovative Properties Company
Facsimile No.: 651-736-3833

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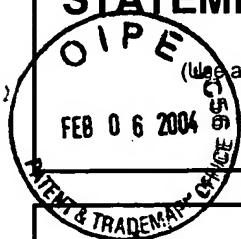
AUDENAERT, FRANS A.

Art Unit

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U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 2002/0192380	12/19/02	Elsbernd et al.	
	A2	US- 2003/0113555	6/19/03	Pellerite et al.	
	A3	US- 2003/0139521	7/24/03	Linert et al.	
	A4	US- 2003/0181572	9/25/03	Tan et al.	
	A5	US- 2,567,011	9/4/51	Diesslin et al.	
	A6	US- 3,250,808	5/10/66	Moore, Jr., et al.	
	A7	US- 3,271,341	9/6/66	Garrison, Jr.	
	A8	US- 3,274,244	9/20/66	Mackenzie	
	A9	US- 3,536,710	10/27/70	Bartlett	
	A10	US- 3,555,089	1/12/71	Bartlett	
	A11	US- 3,574,770	4/13/71	Paine	
	A12	US- 3,621,059	11/16/71	Bartlett	
	A13	US- 3,644,492	2/22/72	Bartlett	
	A14	US- 3,646,085	2/29/72	Bartlett	
	A15	US- 3,772,195	11/13/73	Francen	
	A16	US- 3,787,351	1/22/74	Olson	
	A17	US- 3,798,265	3/19/74	Bartlett	
	A18	US- 3,810,874	5/14/74	Mitsch	
	A19	US- 3,814,741	6/4/74	Caporiccio et al.	
	A20	US- 3,839,425	10/1/74	Bartlett	
	A21	US- 3,944,610	3/16/76	Caporiccio et al.	
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	A23	US- 4,090,967	5/23/78	Falk	
	A24	US- 4,099,574	7/11/78	Cooper et al.	
	A25	US- 4,242,516	12/30/80	Mueller	
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	A27	US- 4,383,929	5/17/83	Bertocchio et al.	
	A28	US- 4,472,286	9/18/84	Falk	

*Examiner:

Date Considered:

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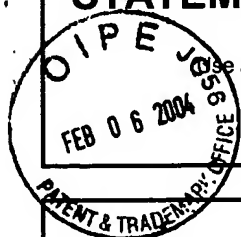
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		Doc. Number-(Kind Code if Known)			
	A29	US- 4,536,298	8/20/85	Kamei et al.	
	A30	US- 4,647,413	3/3/87	Savu	
	A31	US- 4,668,406	5/26/87	Chang	
	A32	US- 4,795,764	1/3/89	Alm et al.	
	A33	US- 4,923,720	5/8/90	Lee et al.	
	A34	US- 4,975,502	12/4/90	Morita et al.	
	A35	US- 4,983,769	1/8/91	Bertocchio et al.	
	A36	US- 5,022,713	6/11/91	Pugh et al.	
	A37	US- 5,027,742	7/2/91	Lee et al.	
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	A39	US- 5,085,786	2/4/92	Alm et al.	
	A40	US- 5,108,799	4/28/92	Hoy et al.	
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	A43	US- 5,274,159	12/28/93	Pellerite et al.	
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	A48	US- 5,698,138	12/16/97	Visca et al.	
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	A51	US- 5,863,612	1/26/99	DeSimone	
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	A55	US- 6,127,000	10/3/00	Carbonell et al.	
	A56	US- 6,200,884	3/13/01	Yang et al.	

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	A57	US- 6,218,499	4/17/01	Tarumi et al.	
	A58	US- 6,287,640	9/11/01	McClain et al.	
	A59	US- 6,288,157	9/11/01	Jariwala et al.	
	A60	US- 6,395,848	5/28/02	Morgan et al.	
	A61	US- 6,429,258	8/6/02	Morgan et al.	
	A62	US- 6,525,127	2/25/03	Jariwala et al.	
	A63	US- 6,592,659	7/15/03	Terrazas et al.	
	A64	US- 6,613,860	9/2/03	Dams et al.	

Foreign Patent Documents

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		Ctry. Code	Number-KindCode (If known)				
	B1	EP	0 219 065	3/11/92			
	B2	EP	0 250 767	9/4/91			
	B3	EP	0 273 449	3/11/92			
	B4	EP	0 615 779	2/3/94			X
	B5	EP	0 625 526	11/23/94			
	B6	EP	0 789 050	8/13/97			
	B7	EP	0 797 111	9/24/97			
	B8	EP	0 853 638	4/11/01			
	B9	EP	0 870 778	10/14/98			
	B10	EP	1 006 168	6/7/00			
	B11	EP	1 038 919	9/27/00			
	B12	EP	1 329 548	7/23/03			
	B13	JP	10-81873	3/31/98			X
	B14	JP	62-238867	10/19/87			X
	B15	JP	4-146917	5/20/92			X
	B16	JP	57-70112	4/30/82			X
	B17	WO	97/45167	12/4/97			

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		Ctry. Code	Number-KindCode (If known)				
	B18	WO	98/40439	9/17/98			
	B19	WO	99/19080	4/22/99			
	B20	WO	99/37720	7/29/99			
	B21	WO	00/27544	5/18/00			
	B22	WO	00/56450	9/28/00			
	B23	WO	01/30873	5/3/01			
	B24	WO	02/95121	11/28/02			
	B25	WO	02/30848	4/18/02			

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	Milton J. Rosen, "Surfactants and Interfacial Phenomena," Second Ed., John Wiley & Sons, New York, NY, 1989, page 1
	C2	Milton J. Rosen, "Surfactants and Interfacial Phenomena," Second Ed., John Wiley & Sons, New York, NY, 1989, pages 3-4
	C3	Fluorinated Surfactants and Repellents", Second Edition, by E. Kissa, Surfactant Science Series, Volume 97, Marcel Dekker, Inc.: New York, 2001, pp 1- 21
	C4	Encyclopedia of Chemical Technology, 4 th Edition, "Supercritical Fluids", N.Y., John Wiley and Sons, vol. 23, pp. 452-477
	C5	K.A. Nielsen, J.N. Argyropoulos, D.C. Busby, D.J. Dickson, C.S. Lee, "Enhanced Performance and Improved Economics of Supercritical Fluid Applied Coatings", pp. 151-160, Feb. 22-24, 1995, Waterborne, High-Solids, and Powder Coatings Symposium
	C6	W.C.Bunyard, F.E. Henon, S.N. Burns, R.W. Linton, R.G. Carbonell, J.M. DeSimone, "Synthesis of Novel Perfluoropolyethers for Carbon Dioxide-Based Coatings Technologies", University of North Carolina, Dept. of Chemistry, pp. 1-10
	C7	J. Lewis, J.N. Argyropoulos, K.A. Nielson, "Supercritical Carbon Dioxide Spray Systems", Metal Finishing, April, 1997
	C8	Annual Book of ASTM Standards, 2003, ASTM D-1331, entitled "Standard Test Methods for Surface and Interfacial Tension of Solutions of Surface-Active Agents, pp. 83-85

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Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C9	Test method 22-1996, published in the 2001 Technical Manual of the American Association of Textile Chemists and Colorists (AATCC), entitled "Water Repellency: Spray Test", Volume 72, 1997, pp. 62-64
	C10	American Association of Textile Chemists and Colorists (AATCC) Standard Test Method No. 118-1983, Volume 59, 1984, entitled "Oil Repellency: Hydrocarbon Resistance Test", p. 274
	C11	Annual Book of ASTM Standards, Part 23, 1970, ASTM D 1141-52, entitled "Standard Specifications for Substitute Ocean Water", pp. 207-209

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Audenaert, Frans A.

Art Unit

1711

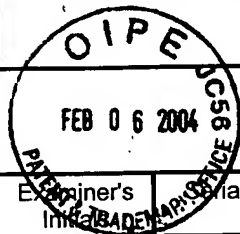
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59350US002

INFORMATION DISCLOSURE

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RELATED U.S. APPLICATIONS - DO NOT PRINT

Examiner's
Initials

Serial No.

Filing Date

Title

10/657644

9/8/03

FLUORINATED POLYETHER ISOCYANATE DERIVED SILANE
COMPOSITIONS

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